

Li Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

4,264
citations

331670

21
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315739

38
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42
all docs

42
docs citations

42
times ranked

5733
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of metal-organic frameworks in heterogeneous supramolecular catalysis. <i>Chemical Society Reviews</i> , 2014, 43, 6011-6061.	38.1	2,540
2	Rhodium-Catalyzed Enantioselective Cyclopropanation of Olefins with <i>N</i> -Sulfonyl 1,2,3-Triazoles. <i>Journal of the American Chemical Society</i> , 2009, 131, 18034-18035.	13.7	288
3	Enantioselective Intramolecular C-H Insertion of Donor and Donor/Donor Carbenes by a Nondiazo Approach. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8452-8456.	13.8	130
4	A porous rhodium(III)-porphyrin metal-organic framework as an efficient and selective photocatalyst for CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2018, 231, 173-181.	20.2	126
5	Two Zn ^{II} Metal-Organic Frameworks with Coordinatively Unsaturated Metal Sites: Structures, Adsorption, and Catalysis. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2796-2804.	3.3	107
6	Well-distributed Pt-nanoparticles within confined coordination interspaces of self-sensitized porphyrin metal-organic frameworks: synergistic effect boosting highly efficient photocatalytic hydrogen evolution reaction. <i>Chemical Science</i> , 2019, 10, 10577-10585.	7.4	87
7	Two ligand-functionalized Pb(II) metal-organic frameworks: structures and catalytic performances. <i>Dalton Transactions</i> , 2012, 41, 10422.	3.3	82
8	Dual Catalysis: Proton/Metal-Catalyzed Tandem Benzofuran Annulation/Carbene Transfer Reaction. <i>Organic Letters</i> , 2016, 18, 1322-1325.	4.6	82
9	Engineering catalytic coordination space in a chemically stable Ir-porphyrin MOF with a confinement effect inverting conventional Si-H insertion chemoselectivity. <i>Chemical Science</i> , 2017, 8, 775-780.	7.4	82
10	Enynal/Enynone: A Safe and Practical Carbenoid Precursor. <i>Current Organic Chemistry</i> , 2015, 20, 102-118.	1.6	71
11	A stable and porous iridium(III)-porphyrin metal-organic framework: synthesis, structure and catalysis. <i>CrystEngComm</i> , 2016, 18, 2203-2209.	2.6	63
12	Porous Metal-Organic Framework Catalyzing the Three-Component Coupling of Sulfonyl Azide, Alkyne, and Amine. <i>Inorganic Chemistry</i> , 2013, 52, 9053-9059.	4.0	62
13	Applications of metal-organic framework composites in CO ₂ capture and conversion. <i>Chinese Chemical Letters</i> , 2021, 32, 649-659.	9.0	60
14	Engineering Porphyrin Metal-Organic Framework Composites as Multifunctional Platforms for CO ₂ Adsorption and Activation. <i>Journal of the American Chemical Society</i> , 2020, 142, 14548-14556.	13.7	54
15	A porous metal-organic cage constructed from dirhodium paddle-wheels: synthesis, structure and catalysis. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20201-20209.	10.3	51
16	Catalytic Space Engineering of Porphyrin Metal-Organic Frameworks for Combined CO ₂ Capture and Conversion at a Low Concentration. <i>ChemSusChem</i> , 2018, 11, 2340-2347.	6.8	48
17	Metal-organic aerogels based on dinuclear rhodium paddle-wheel units: design, synthesis and catalysis. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 702-710.	6.0	30
18	Enantioselective Intramolecular C-H Insertion of Donor and Donor/Donor Carbenes by a Nondiazo Approach. <i>Angewandte Chemie</i> , 2016, 128, 8592-8596.	2.0	29

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19	From Homogeneous to Heterogeneous Catalysis of the Three-Component Coupling of Oxysulfonyl Azides, Alkynes, and Amines. <i>ChemCatChem</i> , 2013, 5, 3131-3138.	3.7	27
20	A new polyoxovanadate-based metal-organic framework: synthesis, structure and photo/electro-catalytic properties. <i>New Journal of Chemistry</i> , 2018, 42, 7247-7253.	2.8	26
21	A series of highly stable porphyrinic metal-organic frameworks based on iron-oxo chain clusters: design, synthesis and biomimetic catalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8376-8382.	10.3	26
22	PtCu@Ir-PCN-222: Synergistic Catalysis of Bimetallic PtCu Nanowires in Hydrosilane-Concentrated Interspaces of an Iridium(III)-Porphyrin-Based Metal-Organic Framework. <i>ACS Catalysis</i> , 2022, 12, 3604-3614.	11.2	22
23	Carbene insertion into N-H bonds with size-selectivity induced by a microporous ruthenium-porphyrin metal-organic framework. <i>Dalton Transactions</i> , 2018, 47, 3940-3946.	3.3	21
24	An Acid Stable Metal-Organic Framework as an Efficient and Recyclable Catalyst for the O-H Insertion Reaction of Carboxylic Acids. <i>ChemCatChem</i> , 2018, 10, 3901-3906.	3.7	17
25	Chiral dirhodium catalysts derived from L-serine, L-threonine and L-cysteine: design, synthesis and application. <i>Organic Chemistry Frontiers</i> , 2015, 2, 890-907.	4.5	15
26	A Porous and Stable Porphyrin Metal-Organic Framework as an Efficient Catalyst towards Visible-Light-Mediated Aerobic Cross-Dehydrogenative-Coupling Reactions. <i>Chemistry - an Asian Journal</i> , 2020, 15, 1118-1124.	3.3	15
27	Applications of Porphyrin Metal-Organic Frameworks in CO ₂ Capture and Conversion. <i>Acta Chimica Sinica</i> , 2019, 77, 242.	1.4	15
28	Zinc-Bronsted acid mediated practical hydrotrifluoromethylation of alkenes with CF ₃ Br. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6356-6363.	4.5	13
29	A porous metal-organic aerogel based on dirhodium paddle-wheels as an efficient and stable heterogeneous catalyst towards the reduction reaction of aldehydes and ketones. <i>New Journal of Chemistry</i> , 2018, 42, 11358-11363.	2.8	12
30	Ultrathin Two-Dimensional Metal-Organic Framework Nanosheets Based on a Halogen-Substituted Porphyrin Ligand: Synthesis and Catalytic Application in CO ₂ Reductive Amination. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	11
31	N-H Insertion Reactions Catalyzed by a Dirhodium Metal-Organic Cage: A Facile and Recyclable Approach for C-N Bond Formation. <i>Chinese Journal of Chemistry</i> , 2017, 35, 964-968.	4.9	10
32	Design catalytic space engineering of Ag-Ag bond-based metal organic framework for carbon dioxide fixation reactions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 609, 125529.	4.7	10
33	Applications of metal-organic frameworks in photocatalysis. <i>Chinese Science Bulletin</i> , 2018, 63, 248-265.	0.7	10
34	1,4-Addition of <i>o</i> -naphthoquinone methides induced by silver-catalyzed cyclization of enynones: an approach to unsymmetrical triarylmethanes and benzo[<i>f</i>]chromenes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3387-3392.	4.5	8
35	A new self-penetrating amine-decorated microporous metal-organic framework: Crystal structure, adsorption selectivity, and luminescence properties. <i>Inorganic Chemistry Communication</i> , 2015, 54, 77-80.	3.9	6
36	Porphyrinic Metal-Organic Frameworks Derived Carbon-Based Nanomaterials for Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2020, 5, 10988-10995.	1.5	5

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37	Porphyrin Metal-Organic Frameworks in Heterogeneous Supramolecular Catalysis. Series on Chemistry, Energy and the Environment, 2020, , 225-265.	0.3	2
38	Application of Metal-Organic Frameworks in CO2 Capture and Conversion. RSC Catalysis Series, 2019, , 455-478.	0.1	1
39	Porphyric Metal-Organic Frameworks As Chemoselective Catalysts. ECS Meeting Abstracts, 2018, , .	0.0	0
40	Porphyric Metal-Organic Frameworks for CO2 Capture and Conversion. ECS Meeting Abstracts, 2018, , .	0.0	0